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OM protein - protein search, using sw model

Run on: June 25, 2003, 11:52:01 ; Search time 23.1 seconds  
(without alignments)  
70.264 Million cell updates/sec

Title: US-09-869-540a-2\_COPY\_5-19  
Perfect score: 90  
Sequence: 1 LRCMLGRVRCWQV 15

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 417779 seqs, 108206813 residues

Total number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_AA:\*

- 1: /cgn2\_6/ptodata/1/pubppa/US08\_NEW\_PUB pep:\*
- 2: /cgn2\_6/ptodata/1/pubppa/PTCT\_NEW\_PUB pep:\*
- 3: /cgn2\_6/ptodata/1/pubppa/US06\_NEW\_PUB pep:\*
- 4: /cgn2\_6/ptodata/1/pubppa/US06\_PUBCOMB pep:\*
- 5: /cgn2\_6/ptodata/1/pubppa/US07\_NEW\_PUB pep:\*
- 6: /cgn2\_6/ptodata/1/pubppa/US07\_PUBCOMB pep:\*
- 7: /cgn2\_6/ptodata/1/pubppa/PTCT\_PUBCOMB pep:\*
- 8: /cgn2\_6/ptodata/1/pubppa/US08\_PUB pep:\*
- 9: /cgn2\_6/ptodata/1/pubppa/US09\_NEW\_PUB pep:\*
- 10: /cgn2\_6/ptodata/1/pubppa/US09\_PUBCOMB pep:\*
- 11: /cgn2\_6/ptodata/1/pubppa/US10\_NEW\_PUB pep:\*
- 12: /cgn2\_6/ptodata/1/pubppa/US10\_PUBCOMB pep:\*
- 13: /cgn2\_6/ptodata/1/pubppa/US60\_NEW\_PUB pep:\*
- 14: /cgn2\_6/ptodata/1/pubppa/US60\_PUBCOMB pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	90	100.0	19	US-09-791-932-183	Sequence 183, App
2	90	100.0	19	US-10-182-509-11	Sequence 11, Appl
3	90	100.0	19	US-09-925-776-7	Sequence 7, Appl
4	84	93.3	19	US-10-182-509-13	Sequence 13, Appl
5	82	91.1	17	US-09-791-932-184	Sequence 184, App
6	82	91.1	19	US-10-182-509-14	Sequence 14, Appl
7	81	90.0	13	US-10-182-509-12	Sequence 12, Appl
8	77.8	77.8	16	US-10-182-509-10	Sequence 10, Appl
9	76.6	73.3	11	US-10-182-509-7	Sequence 7, Appl
10	66	73.3	11	US-10-182-509-39	Sequence 39, Appl
11	64	71.1	12	US-10-182-509-8	Sequence 8, Appl
12	62	68.9	11	US-10-182-509-62	Sequence 62, Appl
13	61	67.8	10	US-10-182-509-37	Sequence 37, Appl
14	61	67.8	10	US-10-182-509-37	Sequence 37, Appl
15	61	67.8	10	US-10-182-509-38	Sequence 38, Appl
16	61	67.8	11	US-10-182-509-15	Sequence 15, Appl
17	61	67.8	11	US-10-182-509-18	Sequence 18, Appl
18	61	67.8	11	US-10-182-509-20	Sequence 20, Appl
19	61	67.8	11	US-10-182-509-26	Sequence 26, Appl

20	61	67.8	11	9	US-10-182-509-31	Sequence 31, Appl
21	61	67.8	11	9	US-10-182-509-32	Sequence 32, Appl
22	61	67.8	11	9	US-10-182-509-33	Sequence 33, Appl
23	61	67.8	11	9	US-10-182-509-34	Sequence 34, Appl
24	61	67.8	11	9	US-10-182-509-35	Sequence 35, Appl
25	61	67.8	11	9	US-10-182-509-36	Sequence 36, Appl
26	61	67.8	11	9	US-10-182-509-40	Sequence 40, Appl
27	61	67.8	11	9	US-10-182-509-41	Sequence 41, Appl
28	61	67.8	11	9	US-10-182-509-42	Sequence 42, Appl
29	61	67.8	11	9	US-10-182-509-43	Sequence 43, Appl
30	61	67.8	11	9	US-10-182-509-44	Sequence 44, Appl
31	61	67.8	11	9	US-10-182-509-45	Sequence 45, Appl
32	61	67.8	11	9	US-10-182-509-46	Sequence 46, Appl
33	61	67.8	11	9	US-10-182-509-63	Sequence 63, Appl
34	61	67.8	11	9	US-10-182-509-64	Sequence 64, Appl
35	60	66.7	11	9	US-10-182-509-17	Sequence 17, Appl
36	60	66.7	11	9	US-10-182-509-19	Sequence 19, Appl
37	60	66.7	11	9	US-10-182-509-22	Sequence 22, Appl
38	60	66.7	11	9	US-10-182-509-25	Sequence 25, Appl
39	60	66.7	11	9	US-10-182-509-28	Sequence 28, Appl
40	60	66.7	11	9	US-10-182-509-29	Sequence 29, Appl
41	60	66.7	11	9	US-10-182-509-47	Sequence 47, Appl
42	60	66.7	11	9	US-10-182-509-51	Sequence 51, Appl
43	60	66.7	11	9	US-10-182-509-52	Sequence 52, Appl
44	60	66.7	11	9	US-10-182-509-77	Sequence 77, Appl
45	59	65.6	11	9	US-10-182-509-27	Sequence 27, Appl

## ALIGNMENTS

RESULT 1  
US-09-791-932-183  
Sequence 183, Application US/09791932  
Publication No. US20030003451A1  
GENERAL INFORMATION:  
APPLICANT: Vogell, Gabriel  
APPLICANT: Parodi, Luis A.  
APPLICANT: Hiesch, Ronald R.  
APPLICANT: Lind, Peter  
APPLICANT: Kayles, Paul S.  
APPLICANT: Huff, Valerie  
APPLICANT: Huff, Rita M.  
APPLICANT: Wood, Linda S.  
TITLE OR INVENTION: No. US20030003451A1 G Protein-Coupled Receptors Cross-Ref  
FILE REFERENCE: 00325 US1  
CURRENT FILING DATE: 2001-02-23  
PRIOR APPLICATION NUMBER: 60/184,305  
PRIOR FILING DATE: 2000-02-23  
PRIOR APPLICATION NUMBER: 60/184,304  
PRIOR FILING DATE: 2000-02-23  
PRIOR APPLICATION NUMBER: 60/184,303  
PRIOR FILING DATE: 2000-02-23  
PRIOR APPLICATION NUMBER: 60/184,397  
PRIOR FILING DATE: 2000-02-23  
PRIOR APPLICATION NUMBER: 60/184,247  
PRIOR FILING DATE: 2000-02-23  
PRIOR APPLICATION NUMBER: 60/188,880  
PRIOR FILING DATE: 2000-03-13  
PRIOR APPLICATION NUMBER: 60/217,369  
PRIOR FILING DATE: 2000-07-11  
PRIOR APPLICATION NUMBER: 60/217,370  
PRIOR FILING DATE: 2000-07-11  
PRIOR APPLICATION NUMBER: 60/218,492  
PRIOR FILING DATE: 2000-07-20  
PRIOR APPLICATION NUMBER: 60/186,810  
PRIOR FILING DATE: 2000-03-03  
PRIOR APPLICATION NUMBER: 60/188,064  
PRIOR FILING DATE: 2000-03-09  
PRIOR APPLICATION NUMBER: 60/186,457  
PRIOR FILING DATE: 2000-03-02  
PRIOR APPLICATION NUMBER: 60/213,861

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; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/194,344
; PRIOR FILING DATE: 2000-04-03
; PRIOR APPLICATION NUMBER: 60/218,337
; PRIOR FILING DATE: 2000-07-14
; NUMBER OF SEQ ID NOS: 184
; SOFTWARE: Patent version 3.0
; SEQ ID NO: 183
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-932-183

Query Match      100.0%; Score 90; DB 9; Length 19;
Best Local Similarity 100.0%; Pred. No. 6,7e-08;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LRCMLGRYRRCMOV 15
DB      5 LRCMLGRYRRCMOV 19

RESULT 2
US-10-182-509-11
; Sequence 11, Application US/10182509
; Publication No. US20030105278A1
; GENERAL INFORMATION:
; APPLICANT: Bednarek, Maria A.
; TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
; FILE REFERENCE: 205901P
; CURRENT APPLICATION NUMBER: US/10/182,509
; CURRENT FILING DATE: 2002-07-31
; PRIOR APPLICATION NUMBER: PCT/US01/03293
; PRIOR FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 60/179,967
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 11
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Human
; FEATURE:
; NAME/KEY: DISULFID
; LOCATION: (7)...(16)
US-10-182-509-11

Query Match      100.0%; Score 90; DB 9; Length 19;
Best Local Similarity 100.0%; Pred. No. 6,7e-08;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LRCMLGRYRRCMOV 15
DB      5 LRCMLGRYRRCMOV 19

RESULT 3
US-09-925-776-7
; Sequence 7, Application US/09925776
; Patent No. US20020038007A1
; GENERAL INFORMATION:
; APPLICANT: AMES, ROBERT S., JR.
; APPLICANT: SARAU, HENRY M.
; APPLICANT: FOLEY, JAMES J.
; APPLICANT: BERGSMAN, DEER J.
; APPLICANT: ELIIS, CATHERINE E.
; APPLICANT: CHAMBERS, JON K.
; TITLE OF INVENTION: A METHOD OF FINDING AGONIST AND
; TITLE OF INVENTION: ANTAGONIST TO HUMAN 11CB SPLICE VARIANT
; FILE REFERENCE: GP-50003-D2
; CURRENT APPLICATION NUMBER: US/09/925,776
; CURRENT FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/032,763
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; PRIOR FILING DATE: 1996-12-11
; PRIOR APPLICATION NUMBER: 08/984,288
; PRIOR FILING DATE: 1997-12-03
; PRIOR APPLICATION NUMBER: 60/073,747
; PRIOR FILING DATE: 1998-02-05
; PRIOR APPLICATION NUMBER: 09/060,504
; PRIOR FILING DATE: 1998-04-15
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO: 7
; LENGTH: 19
; TYPE: PRT
; ORGANISM: HOMO SAPIENS
US-09-925-776-7

Query Match      100.0%; Score 90; DB 10; Length 19;
Best Local Similarity 100.0%; Pred. No. 6,7e-08;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LRCMLGRYRRCMOV 15
DB      5 LRCMLGRYRRCMOV 19

RESULT 4
US-10-182-509-13
; Sequence 13, Application US/10182509
; Publication No. US20030105278A1
; GENERAL INFORMATION:
; APPLICANT: Bednarek, Maria A.
; TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
; FILE REFERENCE: 205901P
; CURRENT APPLICATION NUMBER: US/10/182,509
; CURRENT FILING DATE: 2002-07-31
; PRIOR APPLICATION NUMBER: PCT/US01/03293
; PRIOR FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 60/179,967
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 13
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MCH Analog
; NAME/KEY: DISULFID
; LOCATION: (7)...(16)
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (4)...(4)
; OTHER INFORMATION: Xaa - No. US20030105278A1leucine
; NAME/KEY: MOD_RES
; LOCATION: (8)...(8)
; OTHER INFORMATION: Xaa - No. US20030105278A1leucine
US-10-182-509-13

Query Match      93.3%; Score 84; DB 9; Length 19;
Best Local Similarity 93.3%; Pred. No. 6,1e-07;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 LRCMLGRYRRCMOV 15
DB      5 LRCMLGRYRRCMOV 19

RESULT 5
US-09-791-932-184
; Sequence 184, Application US/09791932
; Publication No. US20030003451A1
; GENERAL INFORMATION:
```

```

APPLICANT: Vogel, Gabriel
APPLICANT: Perodi, Luis A.
APPLICANT: Hiebsch, Ronald R.
APPLICANT: Lind, Peter
APPLICANT: Kayes, Paul S.
APPLICANT: Huff, Valerie
APPLICANT: Huff, Rita M.
APPLICANT: Wood, Linda S.
TITLE OF INVENTION: No. US20030003451A1el G Protein-coupled Receptors Cross-Referen
FILE REFERENCE: 00325.US1
CURRENT APPLICATION NUMBER: US/09/791,932
PRIOR APPLICATION NUMBER: 60/184,305
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,304
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,303
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,397
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/184,247
PRIOR FILING DATE: 2000-02-23
PRIOR APPLICATION NUMBER: 60/188,880
PRIOR FILING DATE: 2000-03-13
PRIOR APPLICATION NUMBER: 60/217,369
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/217,370
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/218,492
PRIOR FILING DATE: 2000-07-20
PRIOR APPLICATION NUMBER: 60/186,810
PRIOR FILING DATE: 2000-03-03
PRIOR APPLICATION NUMBER: 60/188,064
PRIOR FILING DATE: 2000-03-09
PRIOR APPLICATION NUMBER: 60/186,457
PRIOR FILING DATE: 2000-03-02
PRIOR APPLICATION NUMBER: 60/213,861
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: 60/194,344
PRIOR FILING DATE: 2000-04-03
PRIOR APPLICATION NUMBER: 60/218,337
PRIOR FILING DATE: 2000-07-14
NUMBER OF SEQ ID NOS: 184
SOFTWARE: PatentIn version 3.0
SEQ ID NO 184
LENGTH: 17
TYPE: PRT
ORGANISM: Salmon
US-09-791-932-184

Query Match          91.1% Score 82; DB 9; Length 17;
Best Local Similarity 80.0%; Pred. No. 1.1e-06;
Matches 12; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY      1 LRCMLGRVYRRCQV 15
DB      3 MRCMVGRYRRCMEV 17

RESULT 6
US-10-182-509-14
Sequence 14, Application US/10182509
Publication No. US20030105278A1
GENERAL INFORMATION:
APPLICANT: Bednarek, Maria A.
TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
FILE REFERENCE: 20590YP
CURRENT APPLICATION NUMBER: US/10/182,509
PRIOR FILING DATE: 2002-07-31
PRIOR APPLICATION NUMBER: PCT/US01/03293
PRIOR FILING DATE: 2001-02-01
PRIOR APPLICATION NUMBER: 60/179,967
PRIOR FILING DATE: 2000-02-03

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NUMBER OF SEQ ID NOS: 78
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 14
LENGTH: 19
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: MCH Analog
FEATURE:
NAME/KEY: DISULFID
LOCATION: (7)...(16)
US-10-182-509-14

Query Match          91.1% Score 82; DB 9; Length 19;
Best Local Similarity 92.9%; Pred. No. 1.3e-06;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 LRCMLGRVYRRCQV 14
DB      5 LRCMLGRVYRRCQV 18

RESULT 7
US-10-182-509-12
Sequence 12, Application US/10182509
Publication No. US20030105278A1
GENERAL INFORMATION:
APPLICANT: Bednarek, Maria A.
TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
FILE REFERENCE: 20590YP
CURRENT APPLICATION NUMBER: US/10/182,509
PRIOR FILING DATE: 2002-07-31
PRIOR APPLICATION NUMBER: PCT/US01/03293
PRIOR FILING DATE: 2001-02-01
PRIOR APPLICATION NUMBER: 60/179,967
PRIOR FILING DATE: 2000-02-03
NUMBER OF SEQ ID NOS: 78
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12
LENGTH: 13
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: MCH Analog
FEATURE:
NAME/KEY: DISULFID
LOCATION: (1)...(10)
FEATURE:
NAME/KEY: ACETYLATION
LOCATION: (1)...(1)
US-10-182-509-12

Query Match          90.0% Score 81; DB 9; Length 13;
Best Local Similarity 100.0%; Pred. No. 1.3e-06;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      3 CMLGRVYRRCQV 15
DB      1 CMLGRVYRRCQV 13

RESULT 8
US-10-182-509-10
Sequence 10, Application US/10182509
Publication No. US20030105278A1
GENERAL INFORMATION:
APPLICANT: Bednarek, Maria A.
TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
FILE REFERENCE: 20590YP
CURRENT APPLICATION NUMBER: US/10/182,509
PRIOR FILING DATE: 2002-07-31
PRIOR APPLICATION NUMBER: PCT/US01/03293
PRIOR FILING DATE: 2001-02-01

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PRIOR APPLICATION NUMBER: 60/179,967  
PRIOR FILING DATE: 2000-02-03  
NUMBER OF SEQ ID NOS: 78  
SOFTWARE: FASTSEQ for Windows Version 4.0  
SEQ ID NO 10  
LENGTH: 16  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
NAME/KEY: AMIDATION  
LOCATION: (16)...(16)  
FEATURE:  
NAME/KEY: DISULFID  
LOCATION: (7)...(16)  
OTHER INFORMATION: MCH Analog  
US-10-182-509-10

Query Match 77.8%; Score 70; DB 9; Length 16;  
Best Local Similarity 100.0%; Pred. No. 8.8e-05;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 RCMGGRVYRPC 12  
DB 5 RCMGGRVYRPC 16

RESULT 9  
US-10-182-509-7  
Sequence 7, Application US/10182509  
Publication No. US20030105278A1  
GENERAL INFORMATION:  
APPLICANT: Bednarek, Maria A.  
TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS  
FILE REFERENCE: 20590YP  
CURRENT APPLICATION NUMBER: US/10/182,509  
CURRENT FILING DATE: 2002-07-31  
PRIOR APPLICATION NUMBER: PCT/US01/03293  
PRIOR FILING DATE: 2001-02-01  
PRIOR APPLICATION NUMBER: 60/179,967  
PRIOR FILING DATE: 2000-02-03  
NUMBER OF SEQ ID NOS: 78  
SOFTWARE: FASTSEQ for Windows Version 4.0  
SEQ ID NO 7  
LENGTH: 11  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
NAME/KEY: ACETYLATION  
LOCATION: (1)...(1)  
FEATURE:  
NAME/KEY: AMIDATION  
LOCATION: (11)...(11)  
FEATURE:  
NAME/KEY: DISULFID  
LOCATION: (2)...(11)  
OTHER INFORMATION: MCH Analog  
US-10-182-509-7

Query Match 73.3%; Score 66; DB 9; Length 11;  
Best Local Similarity 100.0%; Pred. No. 0.00027;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 RCMGGRVYRPC 12  
DB 1 RCMGGRVYRPC 11

RESULT 10  
US-10-182-509-39  
Sequence 39, Application US/10182509  
Publication No. US20030105278A1  
GENERAL INFORMATION:  
APPLICANT: Bednarek, Maria A.

TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS  
FILE REFERENCE: 20590YP  
CURRENT APPLICATION NUMBER: US/10/182,509  
CURRENT FILING DATE: 2002-07-31  
PRIOR APPLICATION NUMBER: PCT/US01/03293  
PRIOR FILING DATE: 2001-02-01  
PRIOR APPLICATION NUMBER: 60/179,967  
PRIOR FILING DATE: 2000-02-03  
NUMBER OF SEQ ID NOS: 78  
SOFTWARE: FASTSEQ for Windows Version 4.0  
SEQ ID NO 39  
LENGTH: 11  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: MCH Analog  
FEATURE:  
NAME/KEY: AMIDATION  
LOCATION: (11)...(11)  
FEATURE:  
NAME/KEY: DISULFID  
LOCATION: (2)...(11)  
US-10-182-509-39

Query Match 73.3%; Score 66; DB 9; Length 11;  
Best Local Similarity 100.0%; Pred. No. 0.00027;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 2 RCMGGRVYRPC 12  
DB 1 RCMGGRVYRPC 11

RESULT 11  
US-10-182-509-8  
Sequence 8, Application US/10182509  
Publication No. US20030105278A1  
GENERAL INFORMATION:  
APPLICANT: Bednarek, Maria A.  
TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS  
FILE REFERENCE: 20590YP  
CURRENT APPLICATION NUMBER: US/10/182,509  
CURRENT FILING DATE: 2002-07-31  
PRIOR APPLICATION NUMBER: PCT/US01/03293  
PRIOR FILING DATE: 2001-02-01  
PRIOR APPLICATION NUMBER: 60/179,967  
PRIOR FILING DATE: 2000-02-03  
NUMBER OF SEQ ID NOS: 78  
SOFTWARE: FASTSEQ for Windows Version 4.0  
SEQ ID NO 8  
LENGTH: 12  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
NAME/KEY: ACETYLATION  
LOCATION: (1)...(1)  
FEATURE:  
NAME/KEY: AMIDATION  
LOCATION: (12)...(12)  
FEATURE:  
NAME/KEY: DISULFID  
LOCATION: (2)...(11)  
OTHER INFORMATION: MCH Analog  
US-10-182-509-8

Query Match 71.1%; Score 64; DB 9; Length 12;  
Best Local Similarity 83.3%; Pred. No. 0.00061;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

OY 2 RCMGGRVYRPC 13  
DB 1 RCMGGRVYRPC 12

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RESULT 12
US-10-182-509-62
; Sequence 62, Application US/10182509
; Publication No. US20030105278A1
; GENERAL INFORMATION:
; APPLICANT: Bednarek, Maria A.
; TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
; FILE REFERENCE: 20590YP
; CURRENT APPLICATION NUMBER: US/10/182,509
; CURRENT FILING DATE: 2002-07-31
; PRIOR APPLICATION NUMBER: PCT/US01/03293
; PRIOR FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 60/179,967
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 62
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MCH Analog
; NAME/KEY: ACETYLTATION
; LOCATION: (1)...(1)
; FEATURE:
; NAME/KEY: AMIDATION
; LOCATION: (11)...(11)
; FEATURE:
; NAME/KEY: DISULFID
; LOCATION: (2)...(11)
US-10-182-509-62

Query Match      68.9%; Score 62; DB 9; Length 11;
Best Local Similarity 90.9%; Pred. No. 0.0012;
Matches 10; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      2 CMLGRVYRPC 12
Db      1 CMLGRVYRPC 11
|||||:|||||
|11111111111|

RESULT 13
US-10-182-509-9
; Sequence 9, Application US/10182509
; Publication No. US20030105278A1
; GENERAL INFORMATION:
; APPLICANT: Bednarek, Maria A.
; TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
; FILE REFERENCE: 20590YP
; CURRENT APPLICATION NUMBER: US/10/182,509
; CURRENT FILING DATE: 2002-07-31
; PRIOR APPLICATION NUMBER: PCT/US01/03293
; PRIOR FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 60/179,967
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: ACETYLTATION
; LOCATION: (1)...(1)
; FEATURE:
; NAME/KEY: AMIDATION
; LOCATION: (10)...(10)
; FEATURE:
; NAME/KEY: DISULFID
; LOCATION: (1)...(10)
; OTHER INFORMATION: MCH Analog
```

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US-10-182-509-9
Query Match      67.8%; Score 61; DB 9; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0015;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      3 CMLGRVYRPC 12
Db      1 CMLGRVYRPC 10
|||||:|||||
|11111111111|

RESULT 14
US-10-182-509-37
; Sequence 37, Application US/10182509
; Publication No. US20030105278A1
; GENERAL INFORMATION:
; APPLICANT: Bednarek, Maria A.
; TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
; FILE REFERENCE: 20590YP
; CURRENT APPLICATION NUMBER: US/10/182,509
; CURRENT FILING DATE: 2002-07-31
; PRIOR APPLICATION NUMBER: PCT/US01/03293
; PRIOR FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 60/179,967
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 37
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MCH Analog
; NAME/KEY: AMIDATION
; LOCATION: (10)...(10)
; FEATURE:
; NAME/KEY: DISULFID
; LOCATION: (1)...(10)
US-10-182-509-37

Query Match      67.8%; Score 61; DB 9; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0015;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      3 CMLGRVYRPC 12
Db      1 CMLGRVYRPC 10
|||||:|||||
|11111111111|

RESULT 15
US-10-182-509-38
; Sequence 38, Application US/10182509
; Publication No. US20030105278A1
; GENERAL INFORMATION:
; APPLICANT: Bednarek, Maria A.
; TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
; FILE REFERENCE: 20590YP
; CURRENT APPLICATION NUMBER: US/10/182,509
; CURRENT FILING DATE: 2002-07-31
; PRIOR APPLICATION NUMBER: PCT/US01/03293
; PRIOR FILING DATE: 2001-02-01
; PRIOR APPLICATION NUMBER: 60/179,967
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 38
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MCH Analog
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NAME/KEY: ACETYLATION  
LOCATION: (1)...(1)  
FEATURE:  
NAME/KEY: DISULFID  
LOCATION: (1)...(10)  
FEATURE:  
NAME/KEY: AMIDATION  
LOCATION: (10)...(10)  
US-10-182-509-38

Query Match 67.8%; Score 61; DB 9; Length 10;  
Best Local Similarity 100.0%; Pred. No. 0.0015;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 CMLGRVYRPC 12  
|||||||  
Db 1 CMLGRVYRPC 10

Search completed: June 25, 2003, 11:58:00  
Job time : 23.1 secs